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April 28, 1999

JC625 U.S. PTO  
09/300482  
04/28/99

JC408 U.S. PTO  
04/28/99

Assistant Commissioner for Patents  
Washington, D.C. 20231

**Box Patent Application**

Re: U.S. Non-Provisional Utility Patent Application  
Application No.: To Be Assigned  
Filed: Herewith  
For: Nucleic Acid Molecules and Other Molecules  
Associated with the Phosphogluconate Pathway  
Inventors: Nordine CHEIKH *et al.*  
Atty. Docket: 04983.0031.US01/38-21(15365)B

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. Utility Patent Application Transmittal (PTO/SB/05);
2. U.S. Utility Patent Application entitled:

**Nucleic Acid Molecules and Other Molecules Associated with the  
Phosphogluconate Pathway**

and naming as inventors:

**Nordine Cheikh, Jingdong Liu, and Virginia M. Peschke**

the application consisting of:

- a. A specification containing:
  - (i) .242 pages of a description prior to the claims;
  - (ii) 5 pages of claims (9 claims);
  - (iii) a one (1) page abstract; and
  - (iv) 237 pages of a sequence listing;
3. A computer readable disk copy of the sequence listing;

4. Statement Regarding Sequence Submission; and
5. Two (2) return postcards.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

This application claims priority under 35 U.S.C §119(e) and/or 35 U.S.C §120 of applications No. 60/083,390, filed April 29, 1998, which is herein incorporated by reference in its entirety.

In accordance with 37 C.F.R. § 1.821(f), the paper copy of the sequence listing and the computer readable copy of the sequence listing submitted herewith in the above application are the same.

Respectfully submitted,

  
David R. Marsh (Reg. No. 41,408)

Enclosures

SCANNED  
5/1

Please type a plus sign (+) inside this box → ☐

PTO/SB/05 (2/98)

Approved for use through 09/30/00. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <i>(Only for new nonprovisional applications under 37 CFR 1.53(h))</i>	Attorney Docket No.	04983.0031.US01/38-21(15365)B
	First Named Inventor or Application Identifier	CHEIKH
	Title	Nucleic Acid Molecules And Other Molecules Associated With the Phosphogluconate Pathway
	Express Mail Label No.	

<b>APPLICATION ELEMENTS</b> <i>See MPEP chapter 600 concerning utility patent application contents</i>	<b>ADDRESS TO:</b> Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
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|---|--|
| <p>1. <input type="checkbox"/> *Fee Transmittal Form (Form PTO-1082)<br/><i>(Submit an original and a duplicate for fee processing)</i></p> <p>2. <input checked="" type="checkbox"/> Specification [Total Pages 248 ]<br/><i>(preferred arrangement set forth below)</i></p> <ul style="list-style-type: none"><li>- Descriptive title of the Invention</li><li>- Cross References to Related Applications</li><li>- Statement Regarding Fed sponsored R&amp;D</li><li>- Reference to Microfiche Appendix</li><li>- Background of the Invention</li><li>- Brief Summary of the Invention</li><li>- Brief Description of the Drawings (if filed)</li><li>- Detailed Description</li><li>- Claims</li><li>- Abstract of the Disclosure</li></ul> <p>3. <input type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets ]</p> <p>4. <input type="checkbox"/> Oath or Declaration [Total Pages ]</p> <ul style="list-style-type: none"><li>a. <input type="checkbox"/> Newly executed (original or copy)</li><li>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br/><i>(for continuation/divisional with Box 17 completed)</i><br/><i>[Note Box 5 below]</i></li><li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br/>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</li></ul> <p>5. <input type="checkbox"/> Incorporation By Reference <i>(useable if Box 4b is checked)</i><br/>The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</p> | <p>6. <input type="checkbox"/> Microfiche Computer Program <i>(Appendix)</i></p> <p>7. Nucleotide and/or Amino Acid Sequence Submission<br/><i>(if applicable, all necessary)</i></p> <ul style="list-style-type: none"><li>a. <input checked="" type="checkbox"/> Computer Readable Copy</li><li>b. <input checked="" type="checkbox"/> Paper Copy (identical to computer)</li><li>c. <input checked="" type="checkbox"/> Statement verifying identity of ab copies</li></ul> |
|---|--|

<b>ACCOMPANYING APPLICATION PARTS</b>	
8. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))	
9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i>	
10. <input type="checkbox"/> English Translation Document <i>(if applicable)</i>	
11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations	
12. <input type="checkbox"/> Preliminary Amendment	
13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Two) <i>(should be specifically itemized)</i>	
14. <input type="checkbox"/> *Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application, Status still proper and desired	
15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i>	
16. <input type="checkbox"/> Other:	

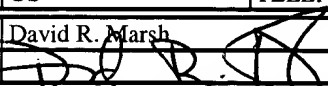
\*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

17. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information:

<input type="checkbox"/> Continuation	<input type="checkbox"/> Divisional	<input type="checkbox"/> Continuation-in-part (CIP)	of prior application No: /
Prior Application Information: Examiner:			Group/Art Unit:

**18. CORRESPONDENCE ADDRESS**

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*(Insert Customer No. or Attach bar code label here)*

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Name (Print/Type)	David R. Marsh			Registration No. (Attorney/Agent)	41,408
Signature				Date	April 28, 1999

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.